

**MODEL QUESTION PAPER**  
**ZOOLOGY – Paper II**

Time : 3 Hours

Max Marks : 60

---

**Section – A**

(Very short Answer type)

10x2=20 Marks

- i) Answer all questions.
  - ii) Each question carries 2 marks.
  - iii) Diagrams need not be drawn.
- 
- 1) What is the common feature found in Apoda & Chelonia? Explain.
  - 2) Explain about “foramen of Panizza”. In which order it is present?
  - 3) What is Bohr effect ? Name the factors that control the Bohr’s effect.
  - 4) Explain how “active sites” are exposed’.
  - 5) Differentiate between Myxedema & Cretinism
  - 6) A.Rh positive woman, whose father is A.Rh Negative, marries Rh Negative Man. What is the possibility that their child be a Rh Negative.
  - 7) Hardy – Weinberg law.
  - 8) Heterosis.
  - 9) Austrowhites.
  - 10) What are B – Lymphocytes and How are they produced ?

### Section – B

(Short Answer Type)

6 x 4 = 24 marks

- i) Answer any SIX of the following questions.
  - ii) Each question carries 4 marks.
  - iii) Every answer may be limited to 75 words.
- 11) Write three important Characters and Two General Character of Chordata.
  - 12) Distinguish between Poisonous and Non Poisonous snakes.
  - 13) What is chyme ? Explain the future of chyme in the system.
  - 14) Draw a labelled diagram of L.S. of heart.
  - 15) Explain Darwin's Theory of Natural Selection with Industrial Melanism.
  - 16) Define Homologous and Analogous organs ?
  - 17) Inter phase hither to considered as resting phase. But now it is not so. Explain the activity during this phase.
  - 18) Write about MABS.

### Section – C

(Eassy Type Question)

2 x 8 = 16 Marks

- i) Answer any TWO of the following questions.
  - ii) Each question carries 8 marks.
  - iii) Every answer may be limited to 300 words.
  - iv) Draw diagrams where ever necessary.
- 19) Classify the Animals basing on the Excretory products and write how Urine is formed in rabbit.
  - 20) Explain the impulse transmission through a nerve, write about Saltatory transmission.

- 21) a) As per Mendel one of the characters of the parents will appear in the Progeny. But certain instances it may not happen. Explain.
- b) Explain the statement "Every test cross is a back cross but not every Back cross is a test cross."

\* \* \*